

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/12/00

Date Received: 09/29/00

Project: Metro Self Monitor, PO# M83396

Date Extracted: 10/10/00

Date Analyzed: 10/11/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M83396 009128-01	1.0	1.1	1.2	0.10
Method Blank	<0.05	<0.05	<0.05	<0.05

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QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 009089-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	1.0	0.96	4	0-20
Copper	mg/L (ppm)	1.1	0.96	14	0-20
Nickel	mg/L (ppm)	1.2	1.1	9	0-20
Zinc	mg/L (ppm)	0.10	0.10	0	0-20

Laboratory Code: 009089-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	1.0	103	99	80-120	4
Copper	mg/L (ppm)	5	1.1	100	95	80-120	5
Nickel	mg/L (ppm)	10	1.2	103	98	80-120	5
Zinc	mg/L (ppm)	5	0.10	111	105	80-120	6

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	103	103	80-120	0
Copper	mg/L (ppm)	5	107	105	80-120	2
Nickel	mg/L (ppm)	10	105	105	80-120	0
Zinc	mg/L (ppm)	5	110	109	80-120	1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

October 12, 2000

DUPLICATE COPY

INVOICE #00ACU1012-1

Accounts Payable
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M83396 - Results of testing requested by
Gerry Thompson for material submitted on September 29, 2000.

1 sample analyzed for Total Chromium,
Copper, Nickel, and Zinc
by Method 6010 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

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October 12, 2000

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

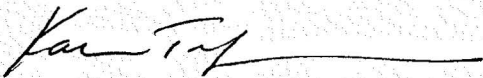
Dear Mr. Thompson:

Included are the results from the testing of material submitted on September 29, 2000 from your Metro Self Monitor, PO# M83396 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.





Kate Trafton
Project Manager

Enclosures
ACU1012R.DOC

009128

Send Report To: Alaska Copper Works Contact Geno A. Thompson
Company 628 Hards
Address Sessle wa
City, State, Zip 98124
Phone # 206-382-8329 FAX # 206-382-4109 Date 9-28-00

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	Gerald A. Thompson	AEW	9/28/00	1:30pm
Received by: 	Charlene Jensen	FBI	9-28-00	1:30pm
Relinquished by:				
Received by:				